

ICSJWG 2010 Fall Conference

Seattle, Washington – October 25-28, 2010

Pre-conference – Monday, October 25, 2010	
1:00 – 7:00	R&D Subgroup Working Meeting
1:00 – 4:00	Vendor Subgroup Working Meeting
1:00 – 4:00	Workforce Development Subgroup Working Meeting
1:00 – 4:00	ICS Roadmap Subgroup Working Meeting
3:00 – 5:00	Registration

Day 1 – Tuesday, October 26, 2010	
7:00 – 8:00	Registration
8:00 – 8:15	Welcome and Keynote Rick Lichtenfels and Tim Roxey, ICSJWG Co-Chairs
8:15 – 8:45	Opening Remarks Jenny Menna, Critical Infrastructure Cyber Protection and Awareness (CICPA) Director, DHS
8:45 – 9:30	Overview of the National Cybersecurity and Communications Integration Center (NCCIC) and CyberStorm III Brett Lambo, Cyber Exercise Program Director, DHS
9:30 – 9:45	Break
9:45 – 10:15	Information Sharing Subgroup Status Presentation/Homeland Security Information Network (HSIN) Demonstration Christine Riccardi, Partnership and Outreach Division (POD), DHS
10:15 – 10:25	Vendor Subgroup Status Presentation Rick Lichtenfels, GCC
10:25 – 10:35	Workforce Development Subgroup Status Presentation Ben Wible and John Saunders, GCC Marcus Sachs, SCC
10:35 – 10:45	Research and Development Subgroup Status Presentation Douglas Maughan, GCC David Norton, SCC
10:45 – 10:55	ICS Roadmap Development Subgroup Status Presentation Perry Pederson, GCC Tim Roxey, SCC
10:55 – 11:00	International Subgroup Status Presentation Graham Speake, SCC
11:00-11:30	Coordinating with Law Enforcement Thomas Winterhalter, FBI
11:30 – 1:00	Lunch (GCC and SCC Break-out Meetings begin at 12:30)

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Day 1 – Tuesday, October 26, 2010 (Continued)			
Presentations	Track I	Track II	Track III
1:00 – 1:45	Will Atkins Sandia National Laboratories <i>What Happened to My PLC and How Do I Fix It?</i>	Jim Gilsinn NIST Ragnar Schierholz ABB Corporate Research <i>Security Assurance Levels: A Vector Approach</i>	Andre Ristaino, ISA Security Compliance Institute Nate Kube, Wurdtech Security Johan Nye, ExxonMobil Research & Engineering <i>ISA Security Compliance Institute Update</i>
1:45 – 2:00	Break		
2:00 – 2:45	David Whitehead Schweitzer Engineering Laboratories <i>How Would We Know?</i>	Kevin Harnett Volpe National Transportation Systems Center <i>E-Enabled Aircraft Issues and Cybersecurity Research</i>	Ted Fischer Norwich University Applied Research Institutes <i>Incident Handling: A New Public/Private Paradigm</i>
2:45 – 3:15	Break		
3:15 – 5:15	STUXNET Presentations <ul style="list-style-type: none"> • Eric Cornelius – ICS-CERT <i>Stuxnet and Control Systems Security</i> • Walter Sikora – Industrial Defender <i>How Stuxnet Changed the World</i> • Tim Roxey - NERC Jeff Williams – Microsoft Paul Skare – Siemens Tim Conway - NIPSCO <i>ICS Operational Security Response – An Evolving Case Study</i> 		
5:15 – 5:30	Break		
5:15 – 7:00	Tools and Remediation Hands-on Workshop CSSP Staff		

Day 2 – Wednesday, October 27, 2010			
7:00 – 8:00	Registration		
Presentations	Track I	Track II	Track III
8:00 – 8:45	Vern Williams, CS2 Ralph Spenser Poore, Cryptographic Assurance Services, LLC Jack L. Krohmer, Process Networks Plus <i>Applying Identity Management and Cryptography to ICS</i>	Mark Simon Encari <i>Tabletop Exercises for Incident Response Plans Under NERC Reliability Standard CIP-008</i>	Thomas Overman Boeing Energy <i>High Assurance Smart Grid – Smart Grid Control Systems Communications Architecture</i>
8:45 – 9:00	Break		

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Day 2 – Wednesday, October 27, 2010 (Continued)			
Presentations	Track I	Track II	Track III
9:00 – 9:45	Joel Langill Englobal <i>Defense-In-Depth Strategies for Secure, Open Remote Access to Control Systems Networks</i>	Julio Rodriguez ICS-CERT <i>ICS-CERT</i>	Mike Ahmadi GraniteKey, LLC <i>A Call for a Bottom-up Approach</i>
9:45 – 10:00	Break		
10:00 – 10:45	Mark Zanotti Shane Mason Lofty Perch <i>The First Mile: Client Side Security for Remote Access to Control Systems</i>	Block Reserved	Perry Pederson Nuclear Regulatory Commission <i>Part 73 and Cyber Security</i>
10:45 – 11:00	Break		
11:00 – 11:45	Johan Nye , Exxonmobil Research & Engineering Kevin Staggs , Honeywell ACS Advanced Technology Labs <i>Role-based Access Control for Industrial Automation and Control System</i>	Jeff Menoher Owl Computing Technologies <i>Architecting Control Systems Cyber Assets with Secure One-Way Information Transfer</i>	John Cusimano exida <i>DCS Virus Infection, Investigation, and Response: A Case Study</i>
11:45 – 1:15	Lunch (GCC/SCC Break-out Meeting begins at 12:45)		
1:15 – 2:00	Michael Knapp McAfee <i>ICSJWG Control Systems Briefing</i>	Lisa Lorenzin Juniper Networks <i>Standards-based Protection for Control Systems Networks</i>	Brian Lenane SRA International <i>Cyber Security Working Group: Guidelines for Smart Grid Cyber Security (NISTIR 7628)</i>
2:00 – 2:15	Break		
2:15 – 3:00	David Sawin Volpe National Transportation Systems Center <i>Controls System Security Program - Transportation</i>	Eric Byres Byres Security <i>Metadata Access Point (IF-MAP) New Standards Protecting Old Technology</i>	Joe McCormick , Boeing Energy James Moralez , San Diego Gas & Electric <i>Industrial Control System (ICS) Asset Monitoring and Status: A Proposed Solution Architecture</i>
3:00 – 3:15	Break		
3:15 – 4:00	Wm Arthur Conklin University of Houston <i>Lessons Learned in IT: The Role of DHS Essential Body of Knowledge (EBK) and ICS</i>	Ernest Rakaczky , Invensys Michael Milvich , IOActive Marty Edwards , Idaho National Laboratories <i>Security Research and Responsible Disclosure</i>	Markus Braendle ABB Ragnar Schierholz ABB Corporate Research <i>Integrating Product Robustness Testing Into the Development Life Cycle</i>

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Day 2 – Wednesday, October 27, 2010 (Continued)			
Presentations	Track I	Track II	Track III
4:00 – 4:15	Break		
4:15 – 5:00	Ryan O'Neill Pikewerks Corporation <i>Anti-Exploitation Techniques for Legacy ICS Systems</i>	Marty Edwards Idaho National Laboratories <i>Critical Infrastructure Protection and Resilience</i>	Art Manion CERT <i>Libraries, Embedded Web Servers, and the Kitchen Sink: A Component Relationship Database (CRdb)</i>
5:00 – 5:15	Closing Remarks and Conference Wrap-up Rick Lichtenfels and Tim Roxey ICSJWG Co-Chairs		

Post-conference – Thursday, October 28, 2010	
Training: Introduction to Cybersecurity for Control Systems	
7:30 – 8:00	Registration
8:00 – 8:15	Welcome and Introductions
8:15 – 10:00	Session 1 - Cyber Security Landscape: Understanding the Risks
10:00 – 10:15	Break
10:15 – 12:00	Session 2 - Industrial Control Systems and Applications
12:00 – 1:15	Lunch
1:15 – 3:00	Session 3 - Current State of Cybersecurity in Industry
3:00 – 3:15	Break
3:15 – 5:00	Session 4 - Practical Application of Cybersecurity